

METHOD AND SYSTEM FOR LABEL TABLE CACHING IN A ROUTING DEVICE

ABSTRACT

An interconnect fabric module ("IFM") with high-speed switching capabilities. An interconnect fabric module can be dynamically configured to interconnect its communications ports so that data can be transmitted through the interconnected ports. Multiple interconnect fabric modules can be connected to form an interconnect fabric through which nodes (e.g., computer systems) can be interconnected. In one embodiment, data is transmitted through the interconnect fabric as frames such as those defined by the Fibre Channel and InfiniBand standards. The interconnect fabric module allows the creation of an interconnect fabric that is especially well suited for interconnecting devices utilizing multiple information types such as might be required by the devices of an enterprise data network ("EDN").